

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S4 | 104 | ("5426545" "5740040" "5654619" "5911924" "6314333" "6473669" "4275605" "4327578" "4533991" "4950967" "5475291" "5515281" "5517099" "5710498" "5977732" "6470225" "4535372" "5272423" "4755876" "4300662" "4338659" "4540920" "4925312" "5385042" "5465612" "5495158" "5623189" "5699335" "6008609" "5325028" "5444349" "5675562" "6055217" "6249497" "4967291" "5015935" "5552943" "5663624" "5867456" "6178060" "6202796" "3586946" "4328450" "4328452" "4477750" "4488098" "4775903" "4816941" "4835633" "4891764").pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 11:59 |
| S5 | 16 | S4 and (motor or actuator or machine) and load and accelerat\$4 and (subtract\$4 or differenc\$4 or differential) and filter\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 12:00 |
| S6 | 16 | S4 and (motor or actuator or machine) and load and accelerat\$4 and ((subtract\$4 or differenc\$4 or differential) same (accelerat\$4 or speed or velocity)) and filter\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 12:00 |
| S7 | 13 | S4 and (motor or actuator or machine) and load and accelerat\$4 and ((subtract\$4 or differenc\$4 or differential) same (accelerat\$4)) and filter\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 13:10 |
| S8 | 4 | S4 and (motor or actuator or machine) and load and accelerat\$4 and ((subtract\$4 or differenc\$4 or differential) near4 (accelerat\$4)) and filter\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 12:01 |
| S9 | 2 | S4 and (motor or actuator or machine) and load and accelerat\$4 and ((subtract\$4 or differenc\$4 or differential) near4 (accelerat\$4)) and filter\$4 and ((lost or less\$4 or los\$4) near9 (inertia\$4 or force or motion or movement)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 12:27 |
| S10 | 6 | S4 and accelerat\$4 and filter\$4 and ((lost or less\$4 or los\$4) near9 (inertia\$4 or force or motion or movement)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 12:32 |
| S11 | 4 | S10 not S8 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 12:27 |
| S17 | 7 | accelerat\$4 and filter\$4 and ((lost or less\$4 or los\$4) near9 (motion or movement)) and (motor or actuator or machine) and load and accelerat\$4 and ((subtract\$4 or differenc\$4 or differential) same (accelerat\$4)) and (filter\$4 same (error or difference or differential)) and inertia\$4 and voltage and "318"/\$ | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 12:37 |
| S18 | 22 | ((("6189836") or ("6041264") or ("5936158") or ("5896949") or ("5367238") or ("5623189") or ("5343132") or ("5175483") or ("4969757") or ("4578863") or ("3950683")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/01 12:37 |
| S19 | 0 | S18 and accelerat\$4 and filter\$4 and ((lost or less\$4 or los\$4) near9 (motion or movement)) and (motor or actuator or machine) and load and accelerat\$4 and ((subtract\$4 or differenc\$4 or differential) same (accelerat\$4)) and (filter\$4 same (error or difference or differential)) and inertia\$4 and voltage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 12:37 |
| S20 | 8 | S4 and (motor or actuator or machine) and load and accelerat\$4 and ((subtract\$4 or differenc\$4 or differential) same (accelerat\$4)) and (filter\$4 same (differenc\$4 or differential or error)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 13:19 |

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|-----|-----|---|---|----|----|------------------|
| S21 | 313 | (accelerat\$4 near4 error) and (filter\$4 same (accelerat\$4 near4 error)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 13:20 |
| S22 | 46 | (accelerat\$4 near4 error) and (filter\$4 same (accelerat\$4 near4 error)) and motor and load | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 13:20 |
| S23 | 22 | (accelerat\$4 near4 error) and (filter\$4 same (accelerat\$4 near4 error)) and motor and load and voltage and inertia | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 13:21 |
| S24 | 20 | (accelerat\$4 near4 error) and (filter\$4 same (accelerat\$4 near4 error)) and motor and load and voltage and inertia and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 13:21 |
| S25 | 14 | (accelerat\$4 near4 error) and (filter\$4 same (accelerat\$4 near4 error)) and motor and load and voltage and inertia and gain and ((subtract\$4 or differenc\$4 or differential) same (accelerat\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 17:01 |
| S26 | 68 | (accelerat\$4 near4 (subtract\$4 or differenc\$4)) and (filter\$4) and motor and load and voltage and inertia and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 18:49 |
| S27 | 104 | ("5426545" "5740040" "5654619" "5911924" "6314333" "6473669" "4275605" "4327578" "4533991" "4950967" "5475291" "5515281" "5517099" "5710498" "5977732" "6470225" "4535372" "5272423" "4755876" "4300662" "4338659" "4540920" "4925312" "5385042" "5465612" "5495158" "5623189" "5699335" "6008609" "5325028" "5444349" "5675562" "6055217" "6249497" "4967291" "5015935" "5552943" "5663624" "5867456" "6178060" "6202796" "3586946" "4328450" "4328452" "4477750" "4488098" "4775903" "4816941" "4835633" "4891764").pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 18:54 |
| S28 | 8 | S27 and (accelerat\$4) and (subtract\$4 or differenc\$4) and (filter\$4) and motor and load and voltage and inertia and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 19:33 |
| S29 | 3 | S27 and (accelerat\$4) and (deviat\$4) and (filter\$4) and motor and load and voltage and inertia and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 19:34 |
| S30 | 1 | 318/276 and (accelerat\$4) and (deviat\$4) and (filter\$4) and motor and load and voltage and inertia and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 19:38 |
| S31 | 2 | 318/276 and (accelerat\$4) and (deviat\$4) and motor and load and voltage and inertia and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 19:42 |
| S32 | 6 | ("4808895").URPN. | USPAT | OR | ON | 2005/09/01 19:42 |
| S33 | 0 | S32 and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and motor and load and voltage and inertia and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 19:43 |

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|-----|------|---|---|----|-----|------------------|
| S34 | 4 | 318/276 and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and motor and load and voltage and inertia and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 19:45 |
| S35 | 1838 | (318/268-279).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/09/01 19:45 |
| S36 | 0 | 318/277 and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and motor and load and voltage and inertia and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 19:46 |
| S37 | 0 | 318/277 and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and motor and load and voltage and (friction\$4 or inertia\$4) and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 19:46 |
| S38 | 2 | 318/278 and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and motor and load and voltage and (friction\$4 or inertia\$4) and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 19:50 |
| S39 | 0 | 318/279 and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and motor and load and voltage and (friction\$4 or inertia\$4) and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 19:50 |
| S40 | 5 | 318/274 and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and motor and load and voltage and (friction\$4 or inertia\$4) and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 19:54 |
| S41 | 13 | 318/271 and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and motor and load and voltage and (friction\$4 or inertia\$4) and gain | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 19:54 |
| S42 | 11 | 318/271 and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4 same (deviat\$4 or subtract\$4 or differenc\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:00 |
| S43 | 5 | 318/270 and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4 same (deviat\$4 or subtract\$4 or differenc\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:01 |
| S44 | 47 | ((accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4)).ab. and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4 same (deviat\$4 or subtract\$4 or differenc\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:03 |
| S45 | 47 | ((accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4)).ab. and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4 same (deviat\$4 or subtract\$4 or differenc\$4)) and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/05 15:10 |
| S46 | 28 | ((accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4)).ab. and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4 same (deviat\$4 or subtract\$4 or differenc\$4)) and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and (filter\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:07 |

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|-----|------|--|---|----|----|------------------|
| S47 | 6 | (rehm near4 thomas) and acceleration | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:04 |
| S48 | 1 | (rehm near4 thomas) and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4 same (deviat\$4 or subtract\$4 or differenc\$4)) and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and (filter\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:06 |
| S49 | 1 | (rehm near4 thomas) and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and (filter\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:06 |
| S50 | 3 | (rehm near4 thomas) and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:06 |
| S51 | 21 | ((accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4)).ab. and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4 near9 (deviat\$4 or subtract\$4 or differenc\$4)) and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and (filter\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:08 |
| S52 | 10 | ((accelerat\$4) near9 (deviat\$4 or subtract\$4 or differenc\$4)).ab. and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4 near9 (deviat\$4 or subtract\$4 or differenc\$4)) and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and (filter\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:23 |
| S53 | 16 | ((accelerat\$4) near9 (deviat\$4 or subtract\$4 or differenc\$4 or error)).ab. and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4 near9 (deviat\$4 or subtract\$4 or differenc\$4)) and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and (filter\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:40 |
| S54 | 19 | ("4477757" "4808901" "4921365" "4967293" "4990840" "5003238" "5250880").PN. OR ("5416397").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/09/01 20:22 |
| S55 | 0 | S54 and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4 near9 (deviat\$4 or subtract\$4 or differenc\$4)) and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) and (filter\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:22 |
| S56 | 0 | S54 and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4 near9 (deviat\$4 or subtract\$4 or differenc\$4)) and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:22 |
| S57 | 6 | S53 not S52 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:23 |
| S58 | 23 | ((accelerat\$4) near9 (deviat\$4 or subtract\$4 or differenc\$4 or error)).ab. and motor and load and voltage and (friction\$4 or inertia\$4) and gain\$2 and (accelerat\$4 near9 (deviat\$4 or subtract\$4 or differenc\$4)) and (accelerat\$4) and (deviat\$4 or subtract\$4 or differenc\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:40 |
| S59 | 7 | S58 not S53 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:54 |
| S60 | 6338 | (gain near4 ("40")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:55 |

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| S61 | 11 | ((gain near4 ("40")) same inertia) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 21:41 |
| S62 | 12 | ((gain near4 ("50")) same inertia) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 20:59 |
| S63 | 10 | S62 not S61 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 21:07 |
| S64 | 945 | ((speed or velocity) near4 (fault or error)) near4 constant) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 21:08 |
| S65 | 74 | ((speed or velocity) near4 (fault or error)) near4 (time adj3 constant)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 21:08 |
| S66 | 8 | ((speed or velocity) near4 (fault or error)) near4 (time adj3 constant)) and (((acceleration) near4 (fault or error)) near4 (time adj3 constant)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 21:14 |
| S67 | 15 | ((speed or velocity) near9 (fault or error)) near9 (time adj3 constant)) and (((acceleration) near9 (fault or error)) near9 (time adj3 constant)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 21:16 |
| S68 | 7 | S67 not S66 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 21:14 |
| S69 | 231 | ((speed or velocity) near9 (fault or error)) near9 (time)) and (((acceleration) near9 (fault or error)) near9 (time)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 21:16 |
| S70 | 190 | ((speed or velocity) near9 (fault or error)) near9 (time)) same (((acceleration) near9 (fault or error)) near9 (time))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 21:17 |
| S71 | 101 | ((speed or velocity) near9 (fault or error)) near9 (time)) same (((acceleration) near9 (fault or error)) near9 (time))) and motor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 21:17 |
| S72 | 42 | ((speed or velocity) near9 (fault or error)) near9 (time)) same (((acceleration) near9 (fault or error)) near9 (time))) and motor and (inertia\$4 or friction) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/01 21:18 |